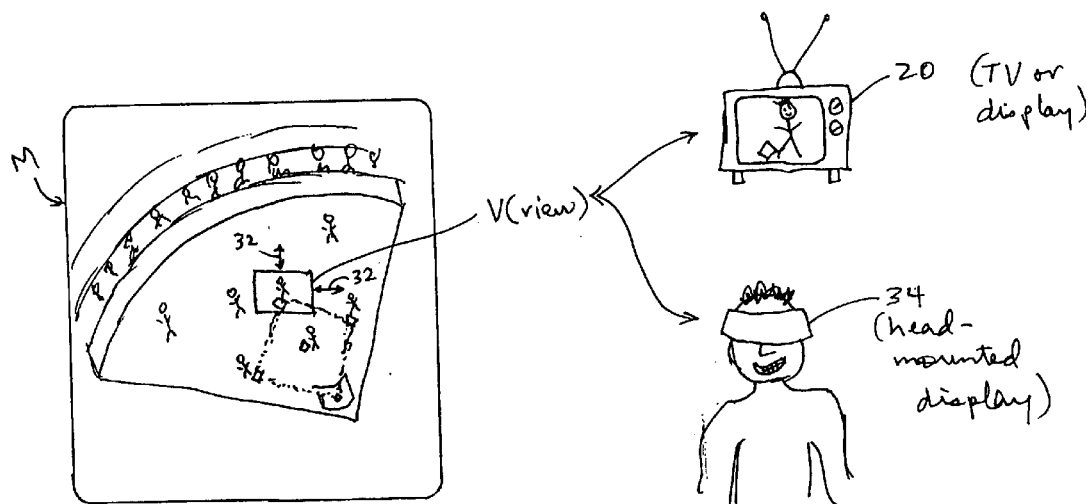




US 20050046698A1

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2005/0046698 A1**
Knight (43) **Pub. Date: Mar. 3, 2005**(54) **SYSTEM AND METHOD FOR PRODUCING A SELECTABLE VIEW OF AN OBJECT SPACE**(76) Inventor: **Andrew Frederick Knight**, Arlington, VA (US)Correspondence Address:
ANDREW F. KNIGHT
2225 LOVEDALE LN
APT F
RESTON, VA 20191 (US)(21) Appl. No.: **10/651,950**(22) Filed: **Sep. 2, 2003****Publication Classification**(51) Int. Cl.⁷ **H04N 7/18**(52) U.S. Cl. **348/157**(57) **ABSTRACT**

A system and method for producing a selectable view of an object space include: a) dividing the object space into n object sections to be imaged; b) providing at least n cameras, where the cameras are configured such that each object section is associated with at least one unique camera configured to image substantially only that object section; and c) imaging each of the object sections with its unique camera, so as to create at least one image of each object section, where the images of the object sections are combined to create a substantially continuous composite mosaic of the object space, where a view of a portion of the mosaic is selectably provided to a user based on selection instructions from the user, and where at least one of the view, the mosaic, and the images of the object sections is sent to the user via an information network, such as a cable network. The view may be provided in 3D to the user via a head-mounted display, and the selection instructions may include a physical orientation of the display.



Arrows 32 indicate that the view may be moved around on the mosaic to provide a choice of views. The view may also be expanded or shrunk to provide zoom-out or zoom-in, respectively.